

A.N.A.R.T.S. News Bulletin 1357 for 17th July 2005.

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Col's Column

Early Electrical Communication.

Early Electrical Communications, United States.

Samuel Morse discovered that his telegraph would only operate at a distance of a few feet. He was now in the same situation as earlier European telegraph constructors had found themselves. In fact it almost drove Cooke to despair before turning to Wheatstone for advice. Morse, almost totally ignorant of electrical knowledge, turned to Professor Leonard Gale who Morse knew through being in the same University.

Gale knew and understood Henry's work on the 'Intensity' batteries for use on long circuits. Speaking years later, Gale said 'It was evident to me that the one large cup battery of Morse should be made into 10 or 15 smaller ones to make it a battery of intensity, so as to project the electric fluid....Accordingly, I substituted the battery of many cups for the battery of one cup. The remaining defect in the Morse machine, as first seen by me, was that the coil of wire around the poles of the electromagnet, consisted of but a few turns only, while, to give the greatest projectile power, the number of turns should be increased from tens to hundreds, as shown by Prof Hnery, in his paper in the -American Journal of Science 1831-'.

Gale went on to say that the line was gradually increased to ten miles, the wire of which was laid around Gales lecture room.

Morse gave a similar account of this and his early experiments in his deposition during the 'Bain Case' in Feb 1851. Morse says 'My first instrument was made up of an old picture or canvas frame fastened to a table, the wheels of an old wooden clock moved by a weight to carry the paper forward, three wooden drums...Up to the autumn of 1837 my telegraphic apparatus existed in so rude a form that I felt reluctant to have it seen'.

More of Morse next week

73's Colin VK2CTD

IPS Weekly Solar and Geophysical Report 8/14th Jul

SUMMARY

Date	08	09	10	11	12	13	14
10cm flux	110	107	102	93	96	92	90
AFr index	5	13	28	14	17	20	10 est
Aaus index	3	15	28	16	18	16	5 est
T index	51	55	56	38	35	30	24

Solar flare activity was very low 8/3th and high on 14th with one X1 one M9 and four M1 flares.

Geomagnetic activity observed for the Australian Region was quiet on 8th and 14th quiet to minor storm on 9th 10th and 12th and quiet to active on 11th and 13th.

Southern Australian Ionospheric F2 critical frequencies were mostly near predicted on 8th near predicted to 30 percent enhanced on 9th near predicted on 10th 12th and 14th near predicted to 15 percent depressed on 11th and slightly above predicted values on 13th.

Forecast for 15/21st Jul

There should be moderate solar activity early in the week.

Geomagnetic activity should see quiet to unsettled conditions. There is a possibility of active periods on 15/16th due to a train of Coronal Mass Ejections associated with recent solar flares from AR786.

Frequencies should be briefly depressed after local dawn 15/21st with frequencies near predicted monthly values on other days.

courtesy of the IPS Radio and Space Services

summary by Pat VK2JPA ANARTS Broadcast Officer

VK2SG RTTY DX NOTES FOR WEEK ENDING 14 JUL

Our information this week came from GU0SUP I5FLN DJ3IW NG3K and OH2AQ's DX Summit. Thank you all.

The NAQP RTTY Contest is this weekend. All stations are invited to participate. Rules at <http://www.ncjweb.com/naqprules.php>

Bandpass

Friday 8

0026-14079 TI8CBT
0141-14086 HR1RMG
0209-14085 HR2/LU1DY
0251-14086 EA6/I1RSA
0337-14088 4X17B
0446-14080 VK9NS
1003-14085 CU6NS
1519-14084 4Z17I

1546-14086 VR2XLN
1704-18100 UN9PQ
2157-14089 Z31MM
2158-18102 CE3AKK

Saturday 9

0057-14085 TF3GC
0317-14079 TI8CBT
0319-14086 EA6/I1RSA
0335-14086 R1ANT
0345-14091 HR2/LU8DY
0353-14079 UN8PIM
0358-14088 4X17B
0450-14080 VK9NS
1108-14084 4Z17M via 4Z4TL
1453-18103 5I3A
1817-14085 0X3DB
2346-14086 EA8RA

Sunday 10

0311-14082 4Z17I
0314-14081 HP1DCP
0341-14097 4Z17M
0707-14084 ES0IC
1704-14086 4X17B
2126-14085 C01RH

Monday 11

0014- 7035 4Z5PM
0018-14085 C01RG
0613-14082 4Z17M
0840-18102 4Z17MG
1553-14081 UN8PIM
1652-18100 CE3AKK
1726-14085 CU6NS via EA5KB
1835-14085 4Z17H
1839-14083 A61BC
1902-14084 EA8ANE
1917-14088 4Z17MG
2349-14086 CU3EQ

Tuesday 12

0138-14086 HR1RMG
0143-14086 XE1EK
1402-14084 4Z17M
1630-14080 CU6NS
1818- 7036 4Z17MG

Wednesday 13

0443-14083 4Z17M
1308-14085 4S7AB
1756-14085 EY7AB
1920-14083 CU6NS
1923- 7038 4Z17M
2215-18103 CE3AKK

Thursday 14

0059-14086 4Z17I
0326-14082 4Z17M
1456-14087 4Z17MG
1546-14086 UN8PIM
1857-14082 9M2MT
1910-14083 R750FW

2012-14082 CU6NS
2021-14085 T95DKA
2037-14087 HB0PC
2202-14081 VK2KM
2205-18103 CE3AKK
2306-14087 C01RG

Notes of Interest:

Sable Island, CY0 - The CY0AA Dxpedition will take place Jul 27 to Aug 3 by W8GEX K8LEE W9IXX. QSL via K8LEE.

The VK2SG RTTY DX NOTES are distributed every week via the Winlink network and are also available on the Internet at URL <http://mailman.qth.net/pipermail/vk2sg-rtty/> and the digital-dx reflector. To subscribe to the digital-dx reflector send an e-mail message to majordomo at mla.nifty.ne.jp as follows:
Subject:(blank) Message
Body:
subscribe digital-dx

For next week's bulletin send your bandpass and notes of interest to Phil GU0SUP email pcooper@guernsey.net

GL Don AA5AU

The Ohio/Penn DX Bulletin No. 717 -- excerpts

3V8, TUNISIA (IOTA Op)
Some members of The Canary Islands DX Society (EC8ADU EC4DX EC8AUA) and some Tunisian operators have announced that they will be active from Djerba Islandv (AF-038). Activity will be on the WARC bands and on SSB PSK31 RTTY Jul 26-29. They will also be active on SSB during the IOTA Contest Jul 30-31. QSL via the Bureau to Javi EC4DX more information is available on (QRZ.com). Visit the DXpedition's Web site at <http://www.cidxs.com>

A3, TONGA
Alex, HB9FB0, will be active as A35B0 from Oct 24 to Dec 1. Activity will be on 160-10M including the WARC bands and on CW SSB PSK31. QSL via info on (QRZ.com). Look for a A35B0 Web page in the coming weeks.

CY9SS, ST. PAUL ISLAND
The CY9SS DXpedition on St. Paul Island went QRT on Wed Jul 6.

DX SUMMIT AND THE FINNISH TREASURE HUNT (OH2W OH4W OH5W OH6W OH7W OH8W and OH9W)
Martti OH2BH reports The Elisa Radio Club of Finland is managing the original world-renowned DX Summit, and you may have noticed that their heading includes the callsign of the group who operates the DX Cluster OH9W. This coming weekend marks another interesting event when the DX Cluster will be employed to support the WRTC-2006 (World Radiosport Team Championship) OH qualifying run for 24 hours during the CW/SSB IARU Radiosport Contest

that is sure to penetrate the bands. OH9W along with six (6) other W (Whiskey) callsigns will compete with low-power stations to capture the honors for Finnish team captain of the 2006 WRTC event. You are invited to try to log these seven stations by following this DX Summit link: <http://oh2aq.kolumbus.com/dxs/wrtc.html>

From the above link you can move to the DX Summit Main Page and send your own spots and compete for honors to be one of the stations producing the highest number of spots during this event. If you manage to work all seven stations a professional video featuring the WRTC-2002 event will be yours at no cost. The competing captain candidates OH0XX OH1JT OH1NOA OH2UA OH4JFN and OH6RX will appreciate your call on all bands.

FW, WALLIS AND FUTUNA

OPDX was informed that Guy FR5ZL will be active here as FW5ZL Jul 13/Aug 13. Activity will be on 40/30/20/15M CW SSB and possibly RTTY and PSK31. QSL direct to FR5ZL (NO QSLs via the French Bureau).

HI, DOMINICAN REPUBLIC

Members of the Lomadeloro Contest Team will be active as HI3CCP in the CQ WW DX SSB Contest (Oct 29-30th) as a Multi-Op/High-Power entry. Operators mentioned are HI3CCP HI3TEJ HI3NR and HI8ROX. QSL via ON4IQ. Also members of the Lomadeloro Contest Team (operators not provided) will be active as HI3A in the CQ WW DX CW Contest (Nov 26-27) as a Multi-Op entry. QSL via AD4Z. Visit the Lomadeloro Contest Team's Web page at <http://www.lomadeloro.com>

IOTA NEWS

AF-004. Peter PC2A will be active as EA8/PC2A from Lanzarote Island (DIES-007) until Jul 14. Activity may be limited because this is a holiday trip with a K2-100 and dipole antennas. QSL via PC2A direct or by the bureau. Visit the following Web page for more information at: <http://www.pi4cc.nl/personal/pc2a/ea8/>

AS-079. Tack JE1RXJ will sign homecall/6 from Miyako Island (JIJA AS-079-055) Okinawa Pref Aug 3-7. Activity will be on 40-6M CW SSB. QSL via his home callsign direct or by the Bureau.

AS-147. Sasi/JA1KJW Yama/JJ1JGI Akira/JK1EBA Mitsu/7N4AGB will be active as homecall/8 from Rebun Island (JIJA AS-147-006) Hokkaido Coastal Island Jul 15-18. QSL via their home callsign direct or by the bureau.

EU-037. Kent SM0ELV will be active as SM0ELV/7 from Ido Island in the RSGB IOTA Contest (Jul 30-31). Activity will be on both CW and SSB. QSL via his home callsign direct or by the bureau.

EU-038. JanJaap/PG7V and Jack/PD2JVE will be active from Texel Island with the special callsign PC6IOTA from Jul 27th to Aug 3. Their main activity will be participation in the RSGB IOTA Contest (Jul 30-31). Activity before and after the contest will be on all HF bands on CW SSB RTTY and PSK and 6 and 2M and 70CM. QSL via PG7V. More info about the operation can be found on: <http://www.pg7v.net/pc6iota>

EU-055. Members of the QLF DX Team (LA6Q) will be active

from Utsira Lighthouse NOR-262 on the Island of Utsira Jul 20-24. This IOTA group is no.6 on the Most Wanted list for EU. Operators mentioned are: LA5UKA/Bjornn LA8AJA/Andy and LA9VDA/Tony. Activity will be on 80-17M CW SSB some RTTY. QSL via LA9VDA.

EU-130. Bodo DL30CH will be active as IV3/DL30CH from Grado Island (IIA G0-001 and MIA MI-039) Jul 28/Aug 1. Activity will be on 160-10M CW only. Bodo will also participate in the RSGB IOTA Contest. QSL via his home callsign direct or by the bureau.

EU-132. Operators Zick/SP3BJK and Przemek/SQ3RX will be active from Wolin Island (SPIA SZ-002 for the Polish Islands Award) Jul 22/Aug 2. They will sign homecall/1. Activity will be on all HF bands CW and SSB and an entry in the IOTA Contest. QSL via SQ3RX direct or by the bureau.

SA-055. Roberto LU4BR President of Radio Club Argentino informs OPDX that his members will activate Martin Garcia Island using the callsign LR4D from Jul 28-31. Their schedule will be as follows
Jul 28-29 HF bands mainly CW RTTY
Jul 30-31 Entry in the 2005 IOTA Contest as a Multi-Op.
QSL via LU4AA both direct or by the bureau.

LIGHTHOUSE ACTIVITY

Look for Dov 4Z4DX to be active as 4Z4DX/LH from the Jaffa Lighthouse (ARLHS ISR-005) Aug 20-21. Activity will be on all bands and modes. QSL via his home callsign (QRZ.com) or eQSL. Logs will be uploaded to LoTW.

Gordon VE3RGG will be operating from Cabot Head Lighthouse (CAN-067) the first week of Aug. He will be living there for the week and be an entry in the Lighthouse/Lightship Contest (Aug 6-7th). Cabot Head Lighthouse is located on the Bruce Peninsula South of Tobermory on Georgian Bay. QSL via his home callsign direct IRC or Canadian postage.

OL200, SLOVAKIA (Special Event)

Look for OL200BA and other special event stations to be active now thru Dec 31 to celebrate the Battle of the Three Emperors in Austerlitz 200 years ago. More information can be found on the following Web page at:
<http://www.qrz.cz/Pages/diplom-en.html>

PA2000, THE NETHERLANDS (Special Event)

Look for special event station PA2000N to be active on the air Jul 8-23. Activity is to celebrate the 2000th anniversary of the City of Nijmegen (also known as Noviomagum).

TZ, MALI

The VooDoo Contest Group will be active in the CQWW DX CW Contest (Nov 26-27) this year signing TZ5A. As usual they will be a Multi-Multi entry with seven 1 KW stations and mono-band antennas. QSL TZ5A via G3SXW. Individual licences have been issued to the team members as follows:

AA7A-TZ6NS K7WP-TZ6CW
G3SXW-TZ5A KC7V-TZ6MF
G4BWP-TZ6WP KY7M-TZ6LF
G4IRN-TZ6RN N7NG-TZ6N

GG3PJT and K5VT will also join the operators of the TZ5A

contest group. QSL personal TZ callsigns will be used outside the contest. More details are forthcoming.

The Society can be contacted in the following ways
To Pat VK2JPA via patleeper at optusnet.com.au or
Col VK2CTD via ctdavies at bigpond.net.au or
you can drop a line to P.O. Box 93 Toongabbie, NSW 2146.
73's for this week from Pat VK2JPA Broadcast Officer
NNNN